

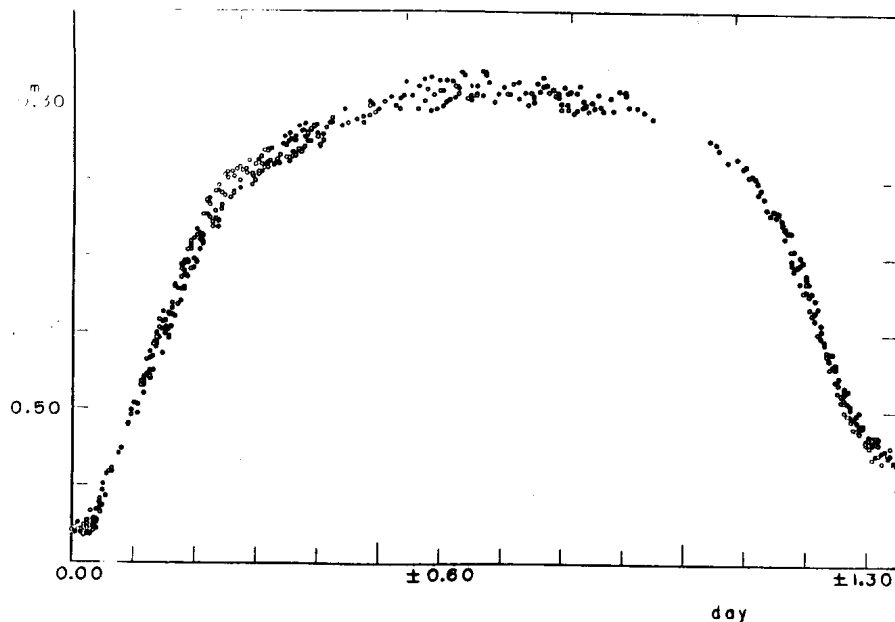
COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS

NUMBER 582

Konkoly Observatory
Budapest
1971 September 21

PHOTOELECTRIC AND SPECTROGRAPHIC OBSERVATIONS OF THE
ECLIPSING VARIABLE SZ CAMELOPARDALIS

The UBV photometry of the eclipsing variable SZ Camelopardalis (the northern component of BD+61°676) was carried out with the 36 inch reflectors at the Dodaira Station of Tokyo Astronomical Observatory and the Okayama Astrophysical Observatory on twenty-two clear nights during the winter of 1970-71. Some coudé spectrograms were also taken with the 74 inch reflector at Okayama.



BD+61°669 was used as the primary comparison star in the photoelectric observations, which was the same one as used in the recent observation by Olsen (1971). The light of the southern component of BD+61°676 was observed occasionally for detection of its suspected small light

variation (Guthnick and Prager 1930), but it was confirmed from our observations that the light of the southern component is constant within observational errors of the order of $0^m004 - 0^m006$.

The figure shows our photoelectric light curve in B, where dots stand for observations with phases between 0 and 1/2 P and small circles for observations with phases between 1/2 P and P. We obtained the residual $O-C=0^d1052$ for the primary minimum from $\text{Min.} = \text{JD } 2427533.5191 + 2^d6984166 \text{ E}$ (Wesselink's ephemeris 1941). Therefore, the phases in the above figure were corrected by the value $+0^d1052$. This O-C value is in good agreement with Olsen's result from observation of the secondary minimum.

1971 September 13

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